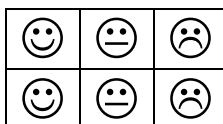


SCIENTIFIC NOTATION

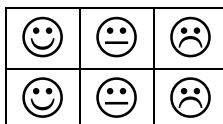
A: I can write large numbers in scientific notation



Write these numbers in scientific notation:-

- a) 5 000 000 000
- b) 23 000
- c) 329 000 000
- d) 7 010 000 000 000 000
- e) 963 146 790
- f) 62 million

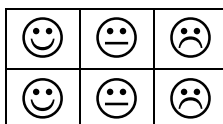
B: I can write small numbers in scientific notation



Write these numbers in scientific notation;-

- a) 0.00005
b) 0.000000000021
c) 0.000579
d) 0.0000000000000000000003
e) 0.0000000305

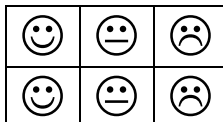
C: I can convert numbers written in scientific notation



Write these numbers in ordinary form:-

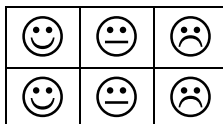
- a) 4×10^5 b) 2.6×10^9
c) 1.55×10^{12} d) 3.08×10^3
e) 4×10^{-5} f) 6.1×10^{-3}
g) 8.29×10^{-11} h) 4.03×10^{-8}

D: I can enter and read numbers in scientific notation into a calculator



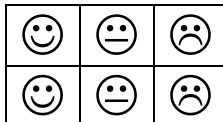
Enter the above numbers in to your calculator.

E: I understand why scientific notation is used



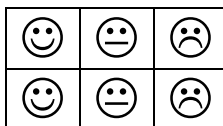
Why do we use scientific notation?
What subjects in school might you use scientific notation?

F: I can give some examples of scientific notation in real life



Give some examples of distances or masses of objects which could be given in scientific notation.

G: I can solve problems involving scientific notation



A rocket travels at a speed of 3.65×10^5 kilometres per hour. How far will the rocket travel in 6 hours?